The following is a complete listing of all claims in the application, with an indication of the status of each:

Listing of claims:

1   1. (currently amended) An apparatus for measuring intra cranial pressure,
2   comprising:
3   an acoustic eye patch conformably adapted to an eyeball of a patient,
4   said eye patch having sensors for measuring acoustic signals in the brain,
5   without the sensors coming into contact with the skull;
6   a sweep generator for applying acoustic signals to the brain across the
7   skull of the patient, said signals sweeping a predetermined range, a resonant
8   frequency of said eyeball being within said predetermined range;
9   an analyzer for determining from an output of the acoustic eye patch
10   an intra cranial pressure,
11   wherein said acoustic eye patch measures acoustic damping of the
12   acoustic signals and said analyzer uses said acoustic damping frequency to
13   determine intra cranial pressure.

1   2. (currently amended) The apparatus of claim 1, wherein said predetermined
2   range is an ultrasonic resonance range and said analyzer determines a said
3   resonant frequency of said eyeball and a degree of damping of the acoustic
4   signal at said resonant frequency, and wherein said degree of damping is
5   correlated to a measure of intra cranial pressure.

1   3. (previously presented) The apparatus of claim 1, wherein the acoustic eye
2   patch is adapted to be applied to both eyeballs of the patient.

1   4. (original) The apparatus of claim 2, wherein the predetermined resonance

2   range is 20-175 kHz.

1   5. (original) The apparatus of claim 1, wherein the acoustic eye patch sensor

2   is a piezoelectric film.

1   6. (original) The apparatus of claim 3, wherein the analyzer determines

2   coherence between eyeballs of the patient.

1   7. (original) The apparatus of claim 1, wherein said predetermined range

2   includes frequencies less than 20 kHz and said analyzer detects retinal artery

3   pulsations, and wherein pressure is applied to the eye until the retinal artery

4   pulsations disappear, said applied pressure being a measure of intra cranial

5   pressure.

1   8. (currently amended) A method for determining intra cranial pressure,

2   comprising the steps of:

3   conformably adapting an acoustic eye patch to an eyeball of a patient,

4   said eye patch having sensors for measuring acoustic signals in the brain,

5   without the sensors coming into contact with the skull;

6   applying acoustic signals to the brain across the skull of the patient,

7   said signals sweeping a predetermined range, a resonant frequency of said

8   eyeball being within said predetermined range;

9   determining from an output of the acoustic eye patch an intra cranial

10   pressure.

1   9. (currently amended) The method of claim 8, wherein said predetermined

2   range is an ultrasonic resonance range and said analyzer determines a̶ said

3   resonant frequency <u>of said eyeball</u> and a degree of damping of the acoustic

4   signal at said resonant frequency, and wherein said degree of damping is

5   correlated to a measure of intra cranial pressure.

1   10. (original) The method of claim 8, wherein the acoustic eye patch is

2   applied to both eyeballs of the patient.

1   11. (original) The method of claim 9, wherein the predetermined resonance

2   range is 20-175 kHz.

1   12. (original) The method of claim 8, wherein the acoustic eye patch sensor

2   is a piezoelectric film.

1   13. (original) The method of claim 10, wherein the analyzer determines

2   coherence between eyeballs of the patient.

1   14. (original) The method of claim 8, wherein said predetermined range

2   includes frequencies less than 20 kHz and said analyzer detects retinal artery

3   pulsations, and wherein pressure is applied to the eye until the retinal artery

4   pulsations disappear, said applied pressure being a measure of intra cranial

5   pressure.